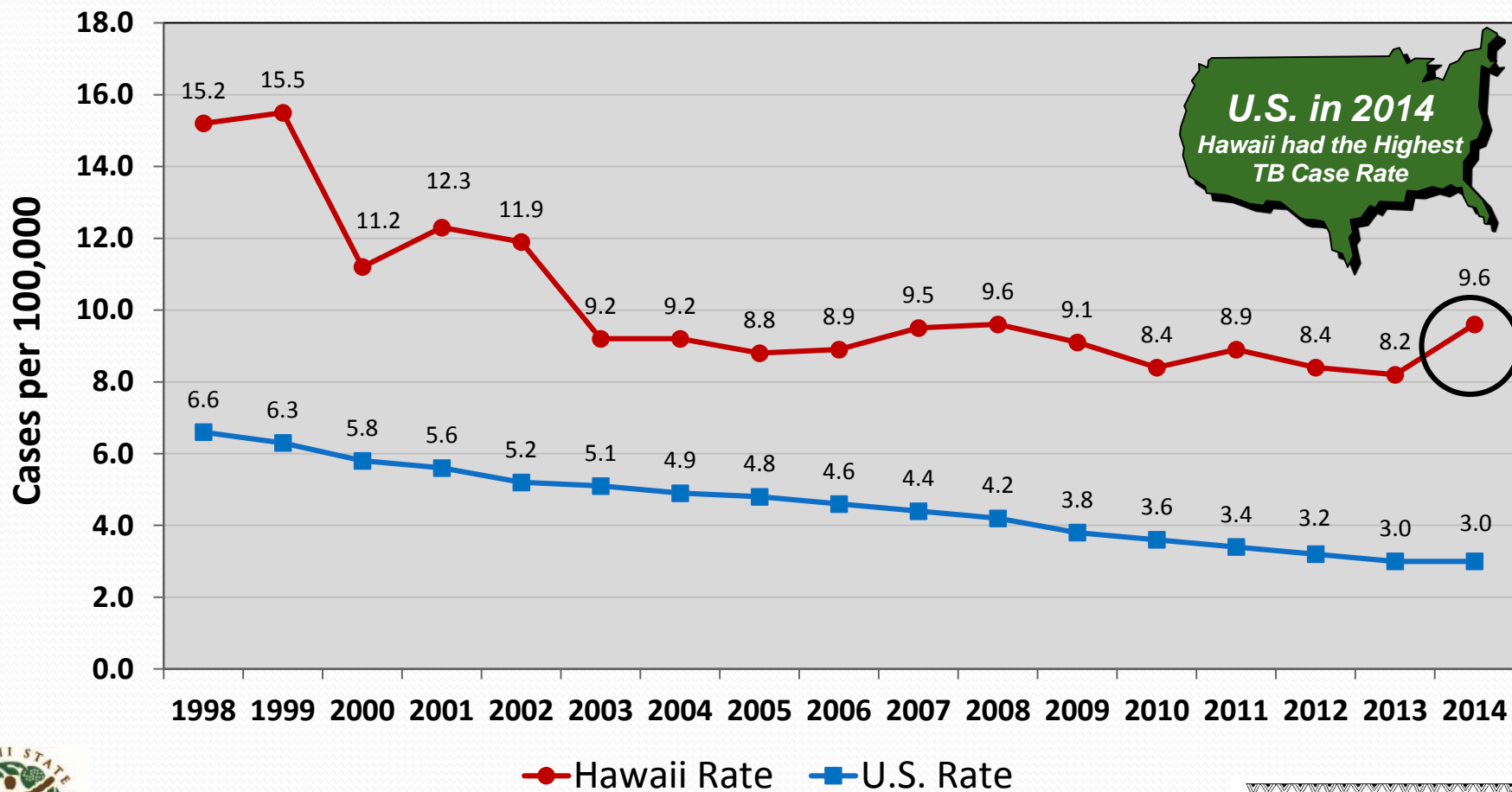


# TB Case Rates

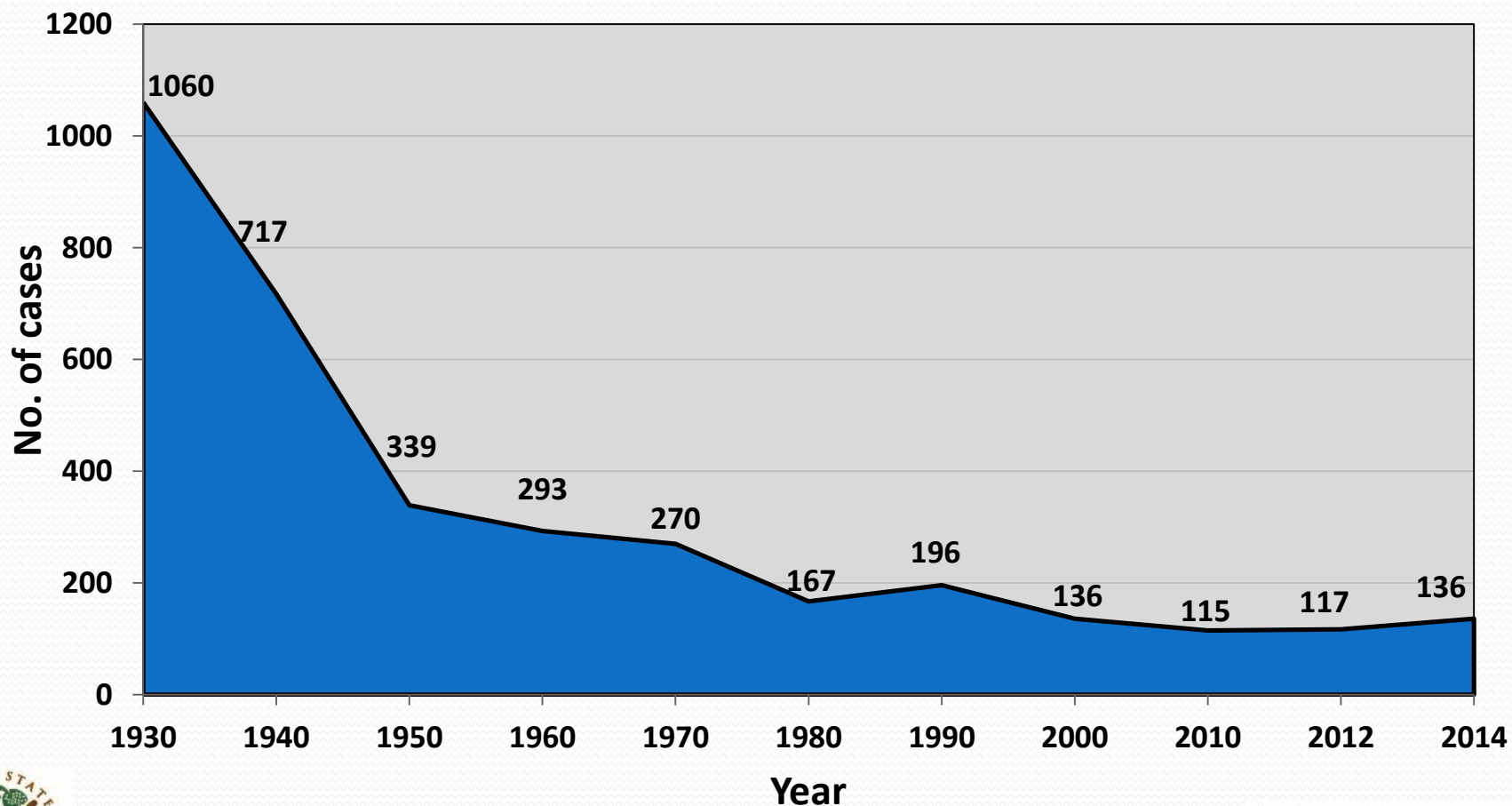
## Hawaii vs. United States, 1998–2014



Updated as of April 23, 2015



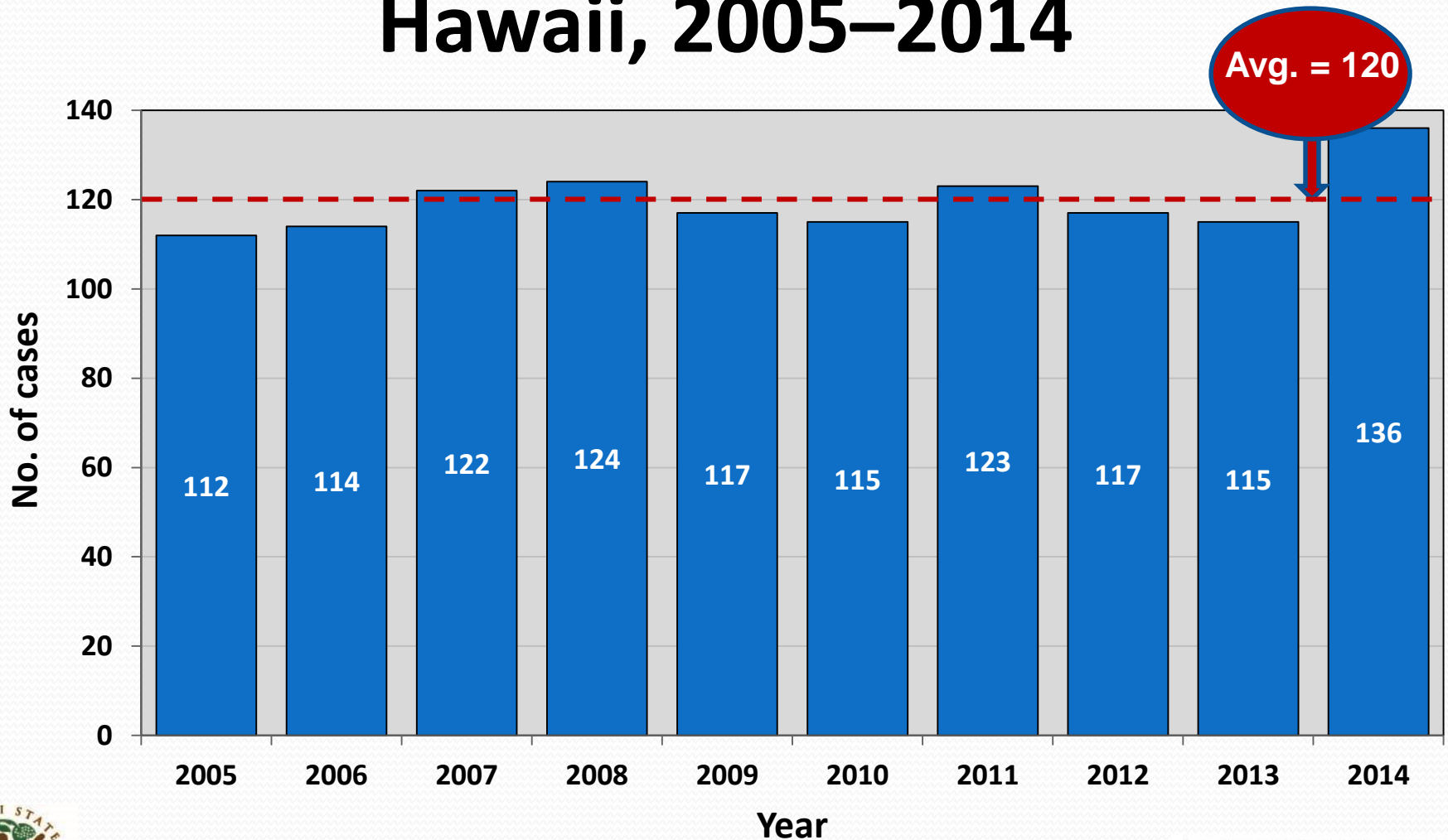
# Reported TB Cases Hawaii, 1930–2014



Updated as of April 23, 2015



# Reported TB Cases Hawaii, 2005–2014



Updated as of April 23, 2015



# TB Cases and Case Rates by County

## Hawaii, 2013–2014

County	No. of Cases		Case Rates (per 100,000 population)		Population Estimates July 1, 2014	
	2013	2014	2013	2014	2013	2014
Hawaii	10	8	5.2	4.1	191,409	194,190
Honolulu	83	112	8.4	11.3	987,019	991,788
Kauai	5	2	7.2	2.8	69,679	70,475
Maui	17	14	10.6	8.6	160,791	163,019
<b>TOTAL</b>	<b>115</b>	<b>136</b>	<b>8.2</b>	<b>9.6</b>	<b>1,408,987</b>	<b>1,419,561</b>

Note: Population estimates used to compute case rates were obtained from U.S. Census Bureau: State and County QuickFacts. Data derived from Population Estimates, American Community Survey, Census of Population and Housing, State and County Housing Unit Estimates, County Business Patterns, Nonemployer Statistics, Economic Census, Survey of Business Owners, Building Permits, Consolidated Federal Funds Report (<http://quickfacts.census.gov/qfd/states/15000.html>) (accessed April 23, 2015).



Updated as of April 23, 2015



**Tuberculosis Cases and Case Rates per 100,000 Population  
Hawaii by County and Zip Code of Residence at Time of Diagnosis, 2014**

County and Zip Code	Cases	Case Rates	2010 Resident Population*
<b>HAWAII</b>			
96720 -Hilo	4	8.7	46,165
96743 - <u>Waimea</u>	1	8.2	12,160
96750 - Kealahou	1	26.4	3,793
96771 - Mountain View	1	12.0	8,339
96778 - Pahoa	1	6.9	14,409
<b>HONOLULU</b>			
96701- Aiea	2	5.0	40,281
96706 - <u>Ewa Beach</u> *	8	12.8	62,730
96707- Kapolei*	5	12.9	38,817
96734 - Kailua	1	2.0	50,746
96744 - Kaneohe	2	3.7	54,247
96762 - <u>La'ie</u>	1	15.6	6,419
96782 - Pearl City	1	2.5	40,496
96786- Wahiawa	1	2.4	40,859
96789 - Mililani	3	5.5	54,129
96792 - Waianae	4	8.2	48,519
96797 - Waipahu*	17	23.5	72,289
96813 - <u>Nuuanu/Punchbowl</u>	2	8.7	22,881
96814 - <u>Ala Moana</u>	1	5.3	18,721
96816 - <u>Waialae/Kahala</u>	4	8.1	49,368
96817- <u>Kalihi/Kapalama</u> *	25	45.8	54,628
96818 - Salt Lake/ Pearl Harbor	3	5.9	50,586
96819 - <u>Kalihi/Moanalua</u> *	19	38.4	49,492
96821 - <u>Aiea Haina</u>	1	5.0	19,856
96822 - <u>Makiki/ Manoa</u>	3	6.7	45,007
96826 - <u>McCully/Moiliili</u> *	9	29.2	30,842
<b>Kauai</b>			
96766 - Lihue*	5	34.0	14,683
<b>Maui</b>			
96732 - Kahului*	6	24.2	24,816
96753 - <u>Kihei</u>	1	3.7	26,892
96761 - Lahaina*	4	18.0	22,156
96767 - Lahaina	1	-	-
96793 - Wailuku	2	6.8	29,549

\*Case rate in zip code was greater than the 2014 state case rate (9.6) and there was more than one case reported in the zip code

\*2010 resident population data used to compute case rates was obtained from US Census Bureau, Population Division, Community Facts, American FactFinder. <http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>



Updated as of April 28, 2015

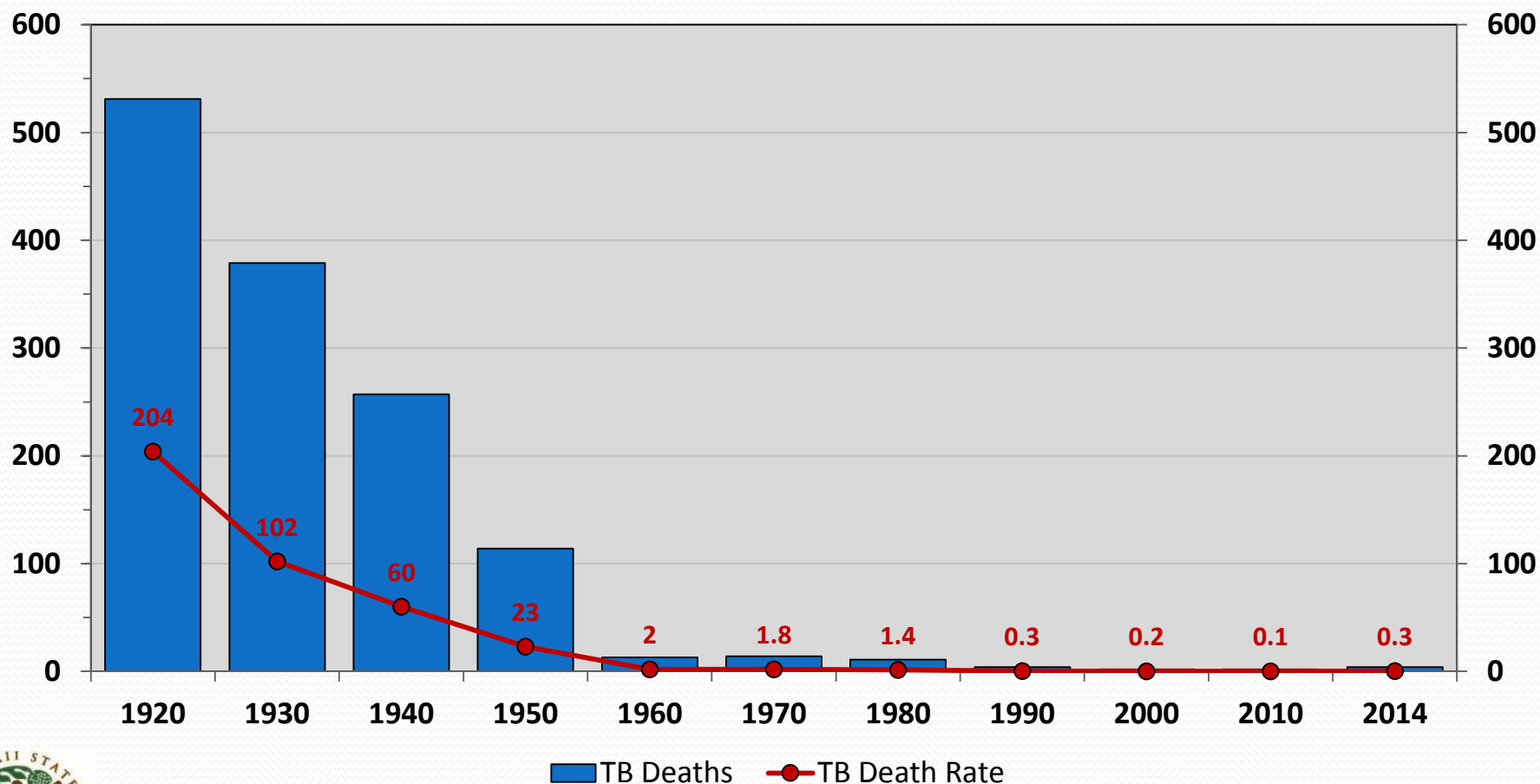


# TB Deaths and Death Rates

## Hawaii, 1920–2014

No. of TB Deaths

Death Rate per 100,000



Updated as of April 29, 2015

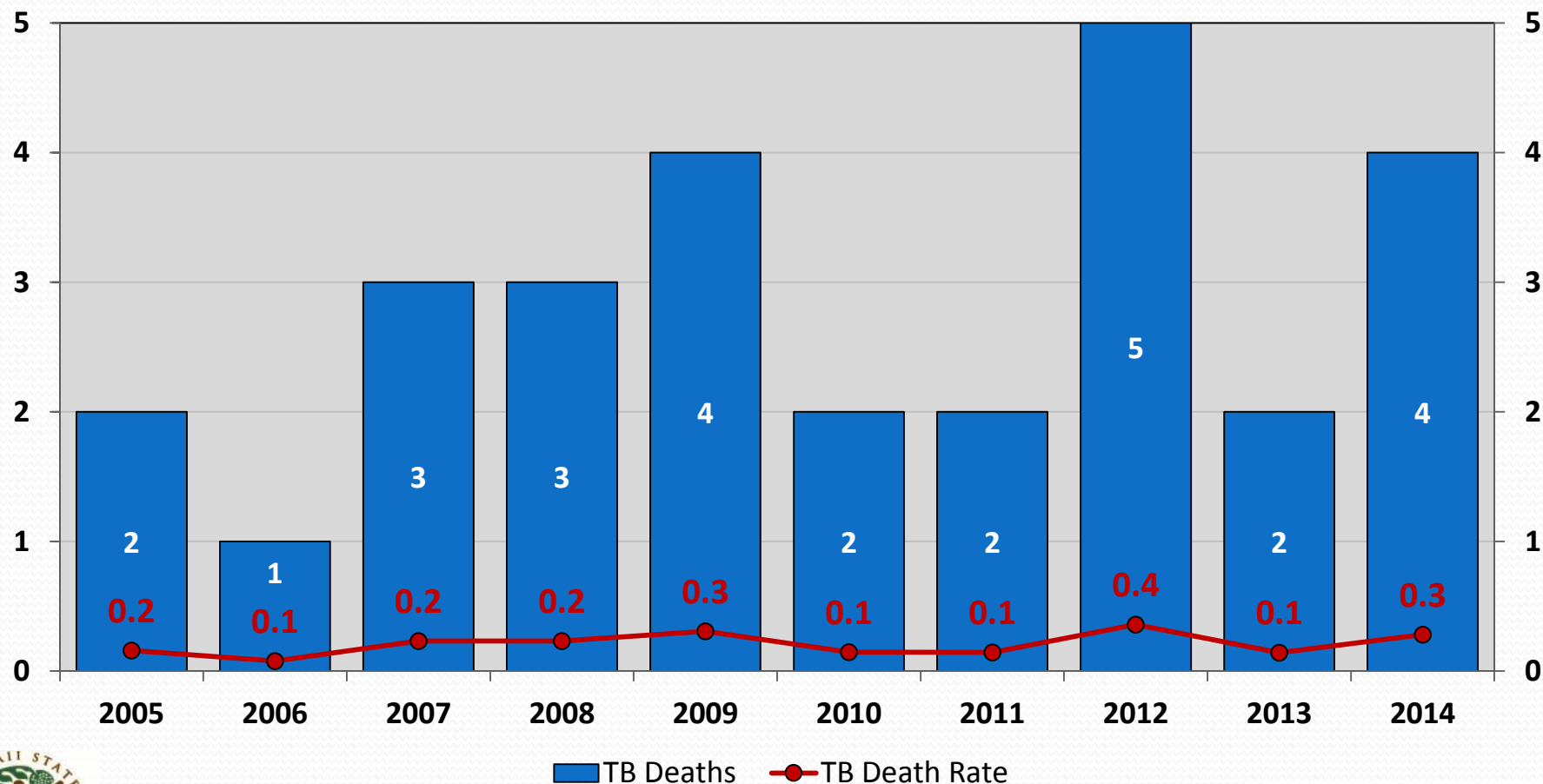


# TB Deaths and Death Rates

## Hawaii, 2005–2014

No. of TB Deaths

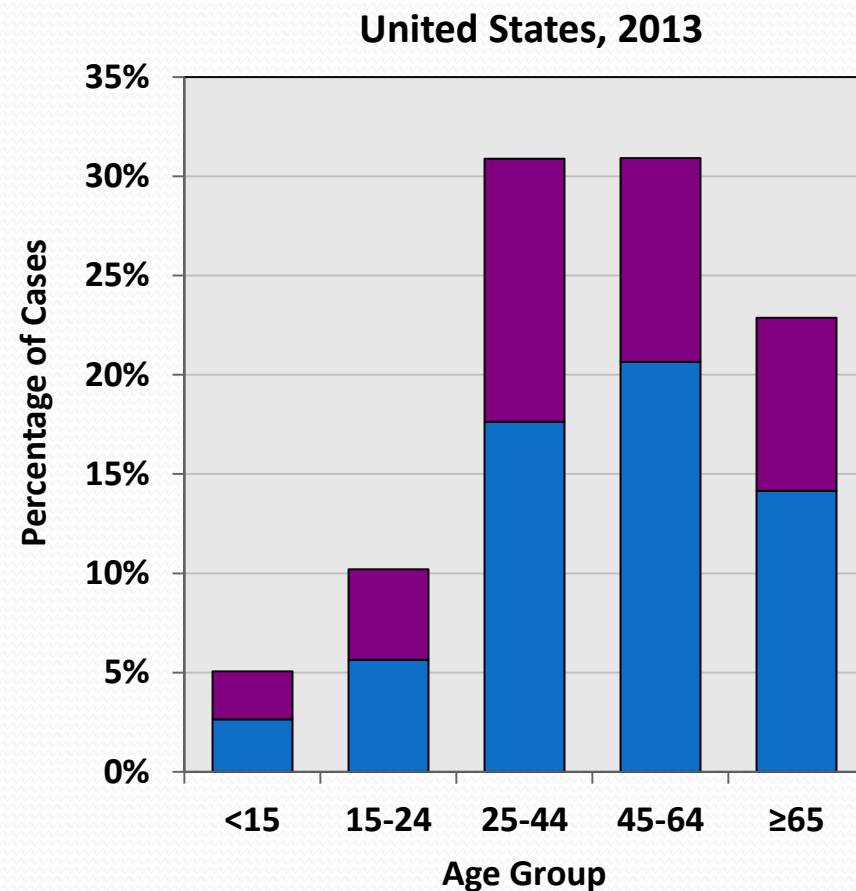
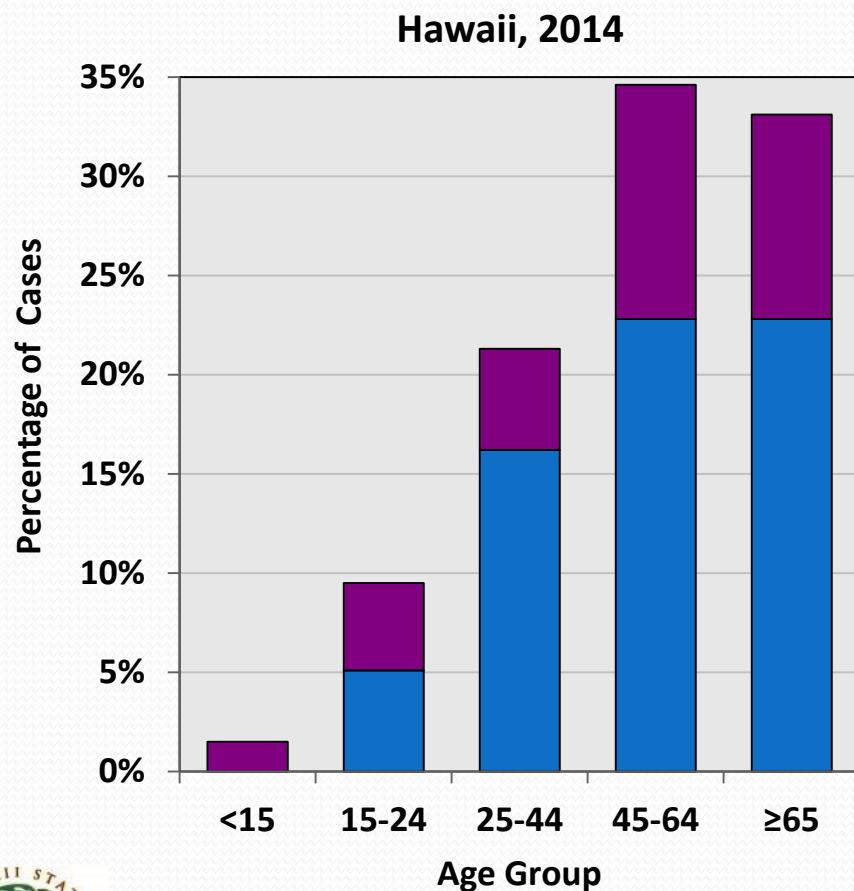
Death Rate per 100,000



Updated as of April 29, 2015



# Percent of TB Cases by Age Group and Gender Hawaii vs. United States, 2014



Female

Male



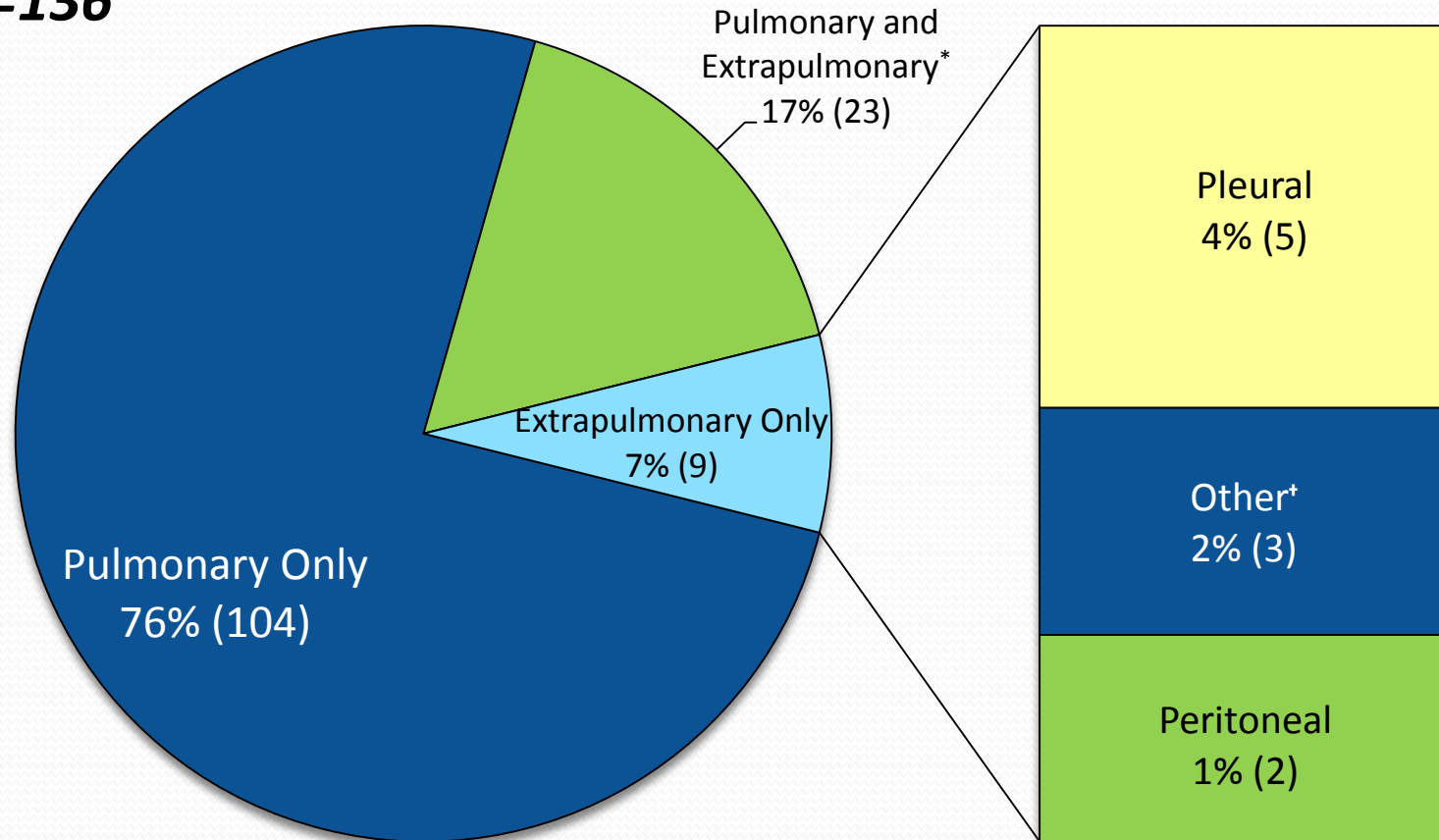
Updated as of April 30, 2015





# TB Cases by Major Site of Disease Hawaii, 2014

**N=136**



\*Includes pulmonary combined with: pleural (9), pleural and peritoneal (1), pleural and bone (1), pleural and lymphatic (2), lymphatic (1), laryngeal (1), bone (3), urogenital (2), peritoneal (1), liver (1), meningeal (1)

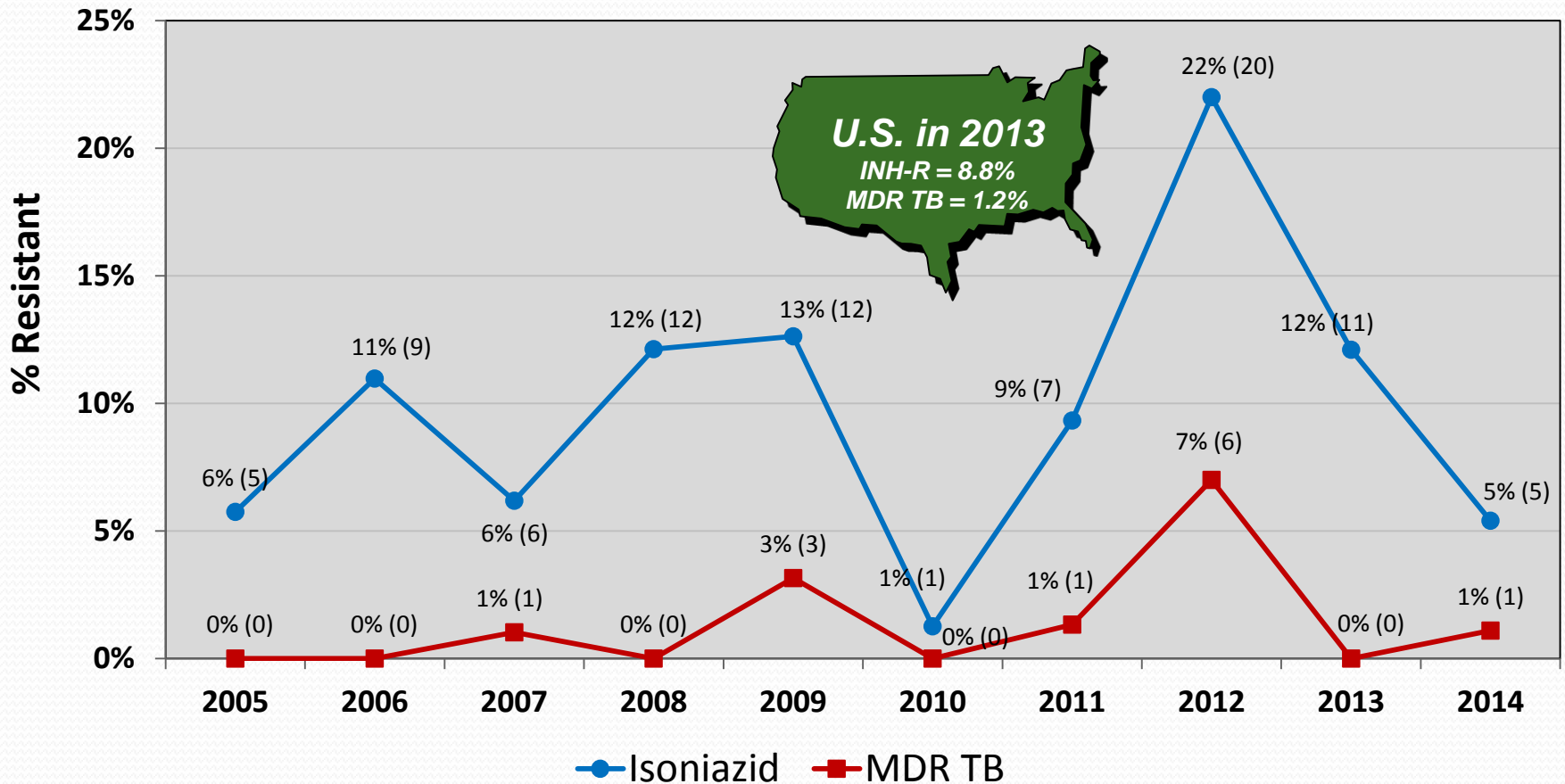
† Includes colon (1), peritoneal and pleural (1), lymphatic (1)

Updated as of April 30, 2015



# Primary Anti-TB Drug Resistance\*

## Hawaii, 2005–2014



\*Cases are culture positive with initial drug susceptibility testing done. Isolates may be resistant to other drugs. Excludes cases with susceptibility testing not done or unknown for isoniazid and rifampin.

Updated as of May 1, 2015

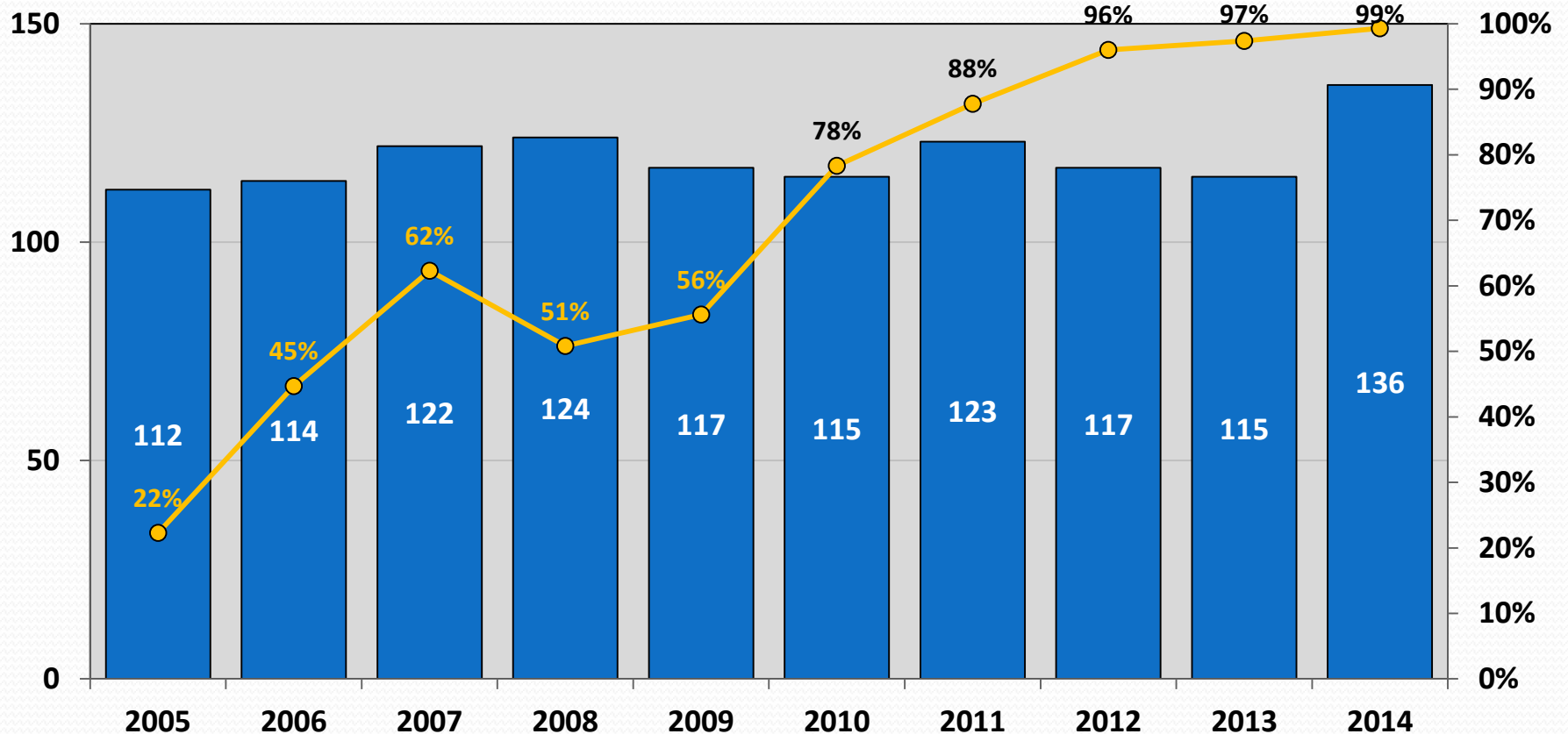


# Trends in HIV Testing Persons with TB

## Hawaii, 2005–2014

No. of Cases

Percentage



No. of Hawaii Cases

% Tested for HIV



Updated as of May 1, 2015

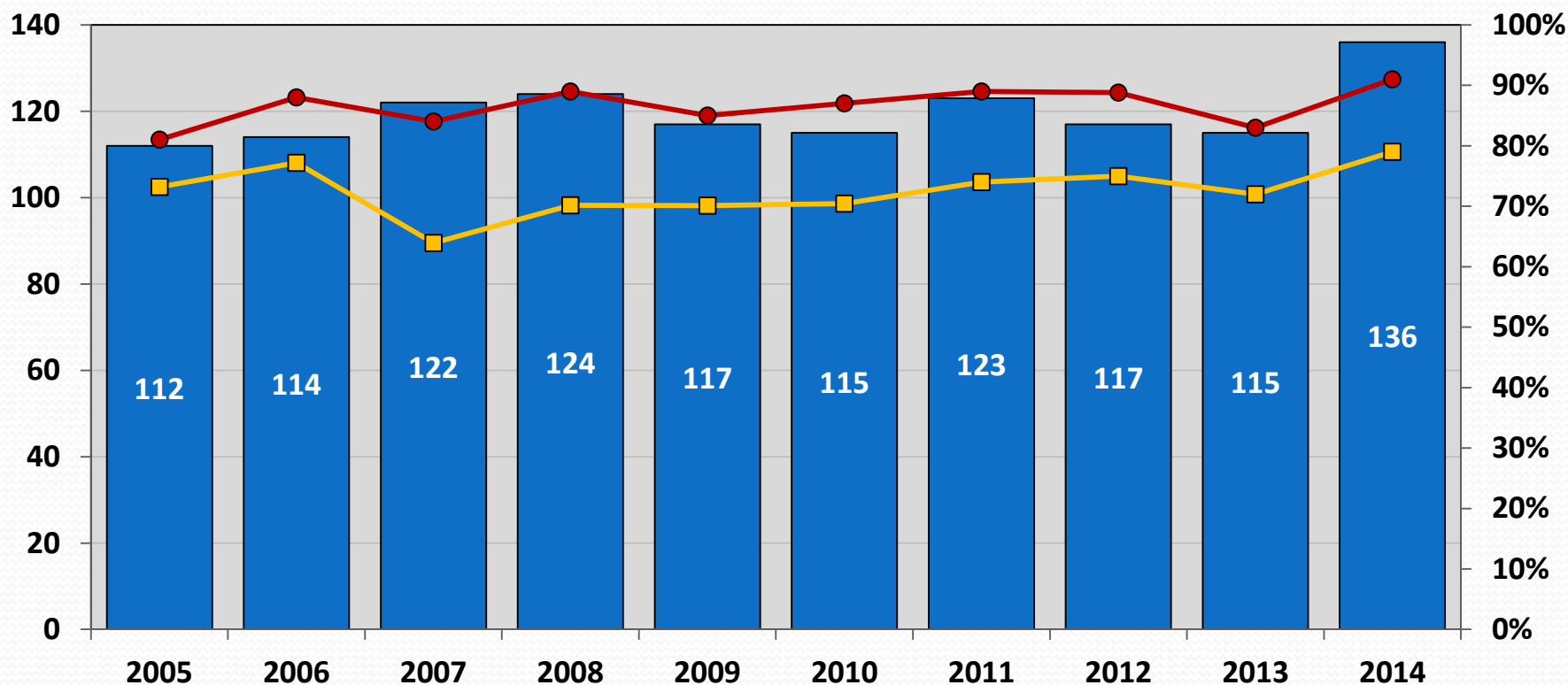


# Trends in TB Cases and Percentage of Foreign-born Persons (Hawaii vs. CDC Definition)

## Hawaii, 2005–2014

No. of Cases

Percentage



No. of Hawaii Cases

Foreign-born (Hawaii Definition)

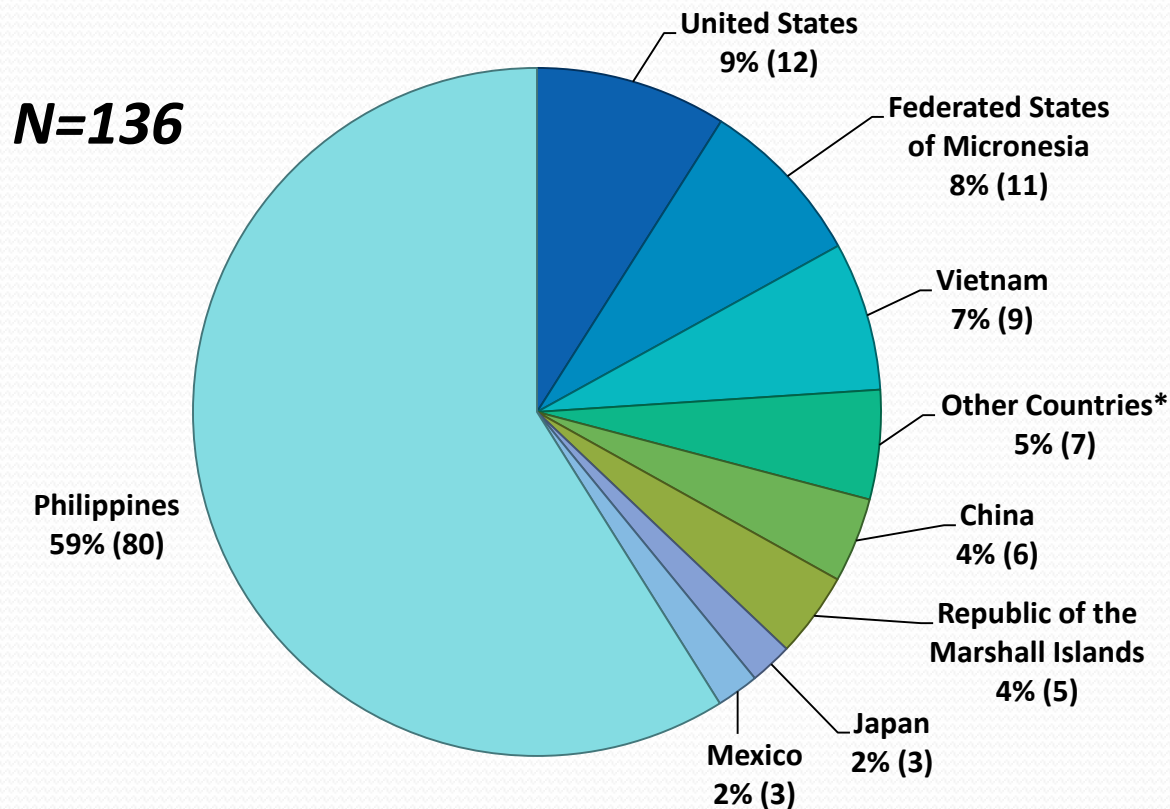
Foreign-born (CDC Definition)



Updated as of April 28, 2015



# Countries of Birth of All Persons Reported with TB, Hawaii, 2014



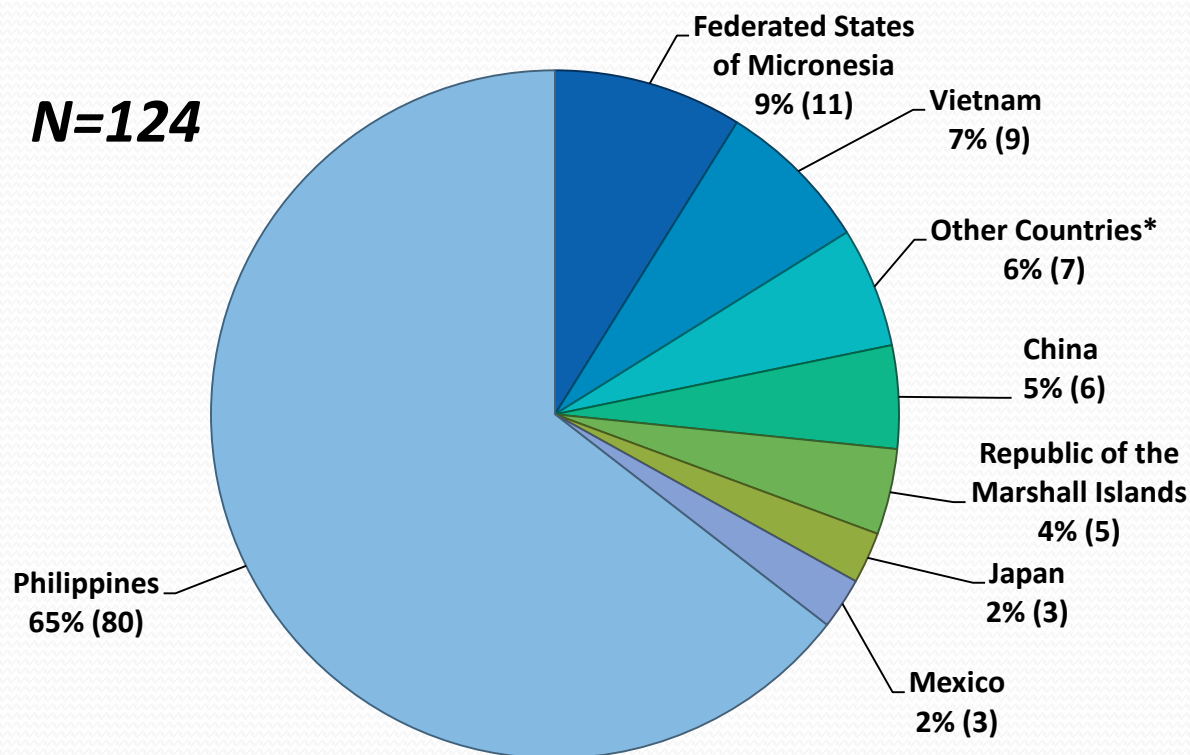
\*Other countries include: American Samoa (1), Indonesia (1), Kiribati (1), Korea (2), Malaysia (1), Ukraine (1)



Updated as of April 28, 2015



# Countries of Birth of Foreign-born Persons Reported with TB, Hawaii, 2014



\*Other countries include: American Samoa (1), Indonesia (1), Kiribati (1), Korea (2), Malaysia (1), Ukraine (1)



Updated as of April 28, 2015



# TB Cases Born in the U.S.-Affiliated Pacific Islands

## Hawaii, 2005–2014

Country of Birth	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	Total
FSM*	4	9	10	12	10	10	8	9	5	11	88
Marshall Islands	5		10	10	8	7	8	6	5	5	64
American Samoa		2	1			2	1			1	7
Guam		1	2						2		5
CNMI†			1	1			1	1			4
Palau											0
<b>TOTAL:</b>	<b>9</b>	<b>12</b>	<b>24</b>	<b>23</b>	<b>18</b>	<b>19</b>	<b>18</b>	<b>16</b>	<b>12</b>	<b>17</b>	<b>168</b>
<b>Percent of Cases:</b>	<b>8%</b>	<b>11%</b>	<b>20%</b>	<b>19%</b>	<b>15%</b>	<b>17%</b>	<b>15%</b>	<b>14%</b>	<b>10%</b>	<b>13%</b>	<b>14%</b>

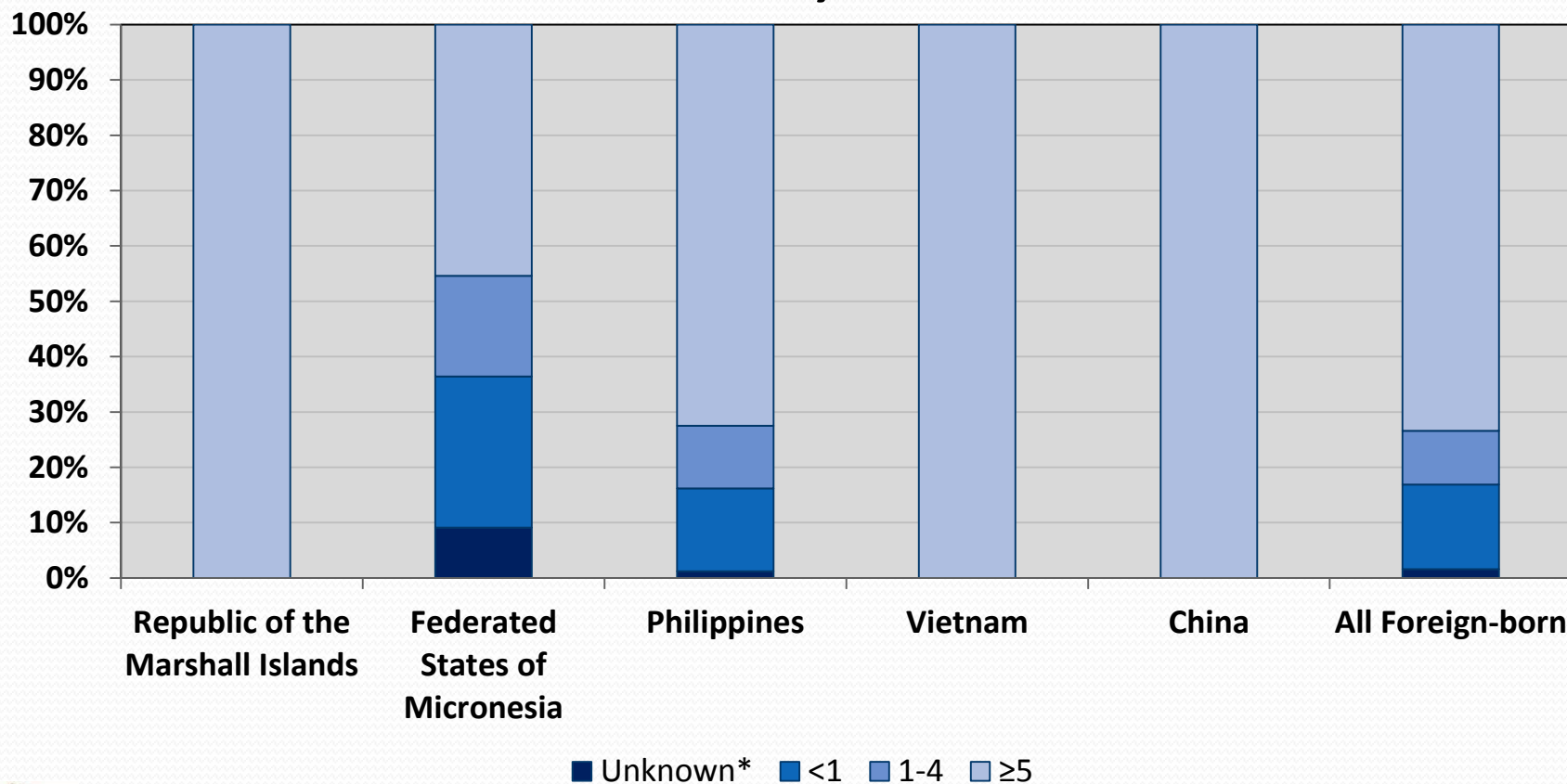
\*FSM = Federated States of Micronesia which includes Chuuk, Kosrae, Pohnpei, and Yap

†CNMI = Commonwealth of the Northern Mariana Islands

Updated as of April 28, 2015



# Percent of Foreign-born TB Cases by Time of Residence in U.S. Prior to Diagnosis Hawaii, 2014



\*Foreign-born TB cases for whom information on length of residence in the U.S. prior to diagnosis is missing or unknown

Updated as of April 28, 2015

